

Converting Colors

XYZ(20.4922, 22.6745, 13.0863)

Have a look what the booklet for
XYZ(20.4922, 22.6745, 13.0863)
contains.

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Color

**XYZ(20.4561, 22.5762,
13.1770)**

Conversions

Conversions Part 1

Format	Color
Hex	89845B
RGB	137, 132, 91
RGB Percent	54%, 52%, 36%
CMY	0.4627, 0.4823, 0.6431
CMYK	0.00, 0.04, 0.34, 0.46
HSL	53°, 20%, 45%
HSV	53°, 34%, 54%
XYZ	20.4561, 22.5762, 13.1770
YIQ	128.8210, 16.1410, -11.6910

Conversions

Conversions Part 2

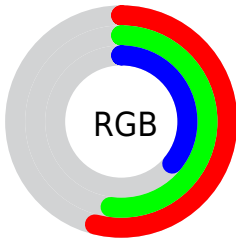
Format	Color
R_{YB}	97, 137, 91
Decimal	9012315
CIE Lab	54.63, -4.81, 22.85
CIE LCh	55, 23.356, 101.895
Yxy	22.5762, 0.3639, 0.4016
Android (android.graphics.Color)	4287202395 (0xFF89845B)
YUV	128.8210, -18.6458, 7.1730
Hunter-Lab	47.5144, -6.3017, 16.8174

Details

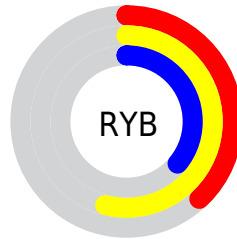
The XYZ color **20.4561, 22.5762, 13.1770** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.0125, 12.3957, 25.3737**, and the grayscale version is **20.8633, 21.9498, 23.9033**.

A 20% lighter version of the original color is **43.7173, 47.7273, 32.4993**, and **7.3856, 8.3468, 3.6047** is the 20% darker color. If you saturate the color by 10%, you get **19.7181, 21.9612, 10.2768**, and if you desaturate by 10%, it is **21.3060, 23.2422, 16.6475**.

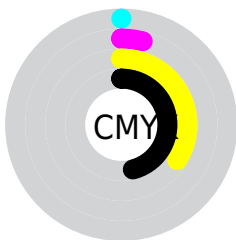
Distribution



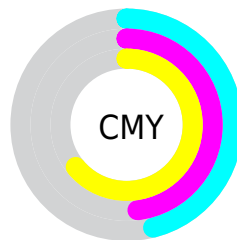
- Red (54%)
- Green (52%)
- Blue (36%)



- Red (38%)
- Yellow (54%)
- Blue (36%)



- Cyan (0%)
- Magenta (4%)
- Yellow (34%)
- Black (46%)



- Cyan (46%)
- Magenta (48%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4561, 22.5762, 13.1770 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.4561, 22.5762, 13.1770 by changing the saturation by 10% instead.

■ 20.4561, 22.5762,
13.1770

■ 20.4561, 22.5762,
13.1770

247.1604,
265.5407, 223.2965

■ 12.8372, 14.2809,
7.4184

■ 43.6787, 47.6965,
32.3172

■ 7.3928, 8.3163,
3.6427

■ 60.0131, 65.2903,
46.5360

■ 3.7574, 4.2980,
1.4315

■ 79.9834, 86.7524,
64.4118

■ 1.5658, 1.8416,
0.1661

■ 103.9549,
112.4671, 86.3632

■ 0.3700, 0.5129,
0.0000

132.2930,
142.8189, 112.8089

■ 0.0000, 0.0000,
0.0000

165.3631,

178.1922, 144.1673

203.5304,
218.9713, 180.8570

■ 20.4561, 22.5762,
13.1770

■ 20.4561, 22.5762,
13.1770

■ 19.7181, 21.9612,
10.2768

■ 21.3060, 23.2422,
16.6475

■ 19.0845, 21.3917,
7.9144

■ 22.2716, 23.9583,
20.7154

■ 18.5493, 20.8662,
6.0564

■ 23.3585, 24.7275,
25.4079

■ 18.1055, 20.3818,
4.6650

■ 24.5716, 25.5519,
30.7501

■ 17.7447, 19.9351,
3.6973

■ 25.9152, 26.4331,
36.7657

■ 17.4570, 19.5222,
3.1008

■ 27.3938, 27.3731,
43.4771

■ 17.2907, 19.2667,
2.8075

■ 29.0113, 28.3733,
50.9059

■ 30.7717, 29.4355,
59.0725

■ 32.6788, 30.5611,
67.9968

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.0295, 22.5762, 13.4404



20.4561, 22.5762, 13.1770



18.3264, 22.5762, 15.4854

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.4561, 22.5762, 13.1770



17.9880, 22.5762, 35.2871



26.5024, 22.5762, 29.2438

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.4561, 22.5762, 13.1770



13.0125, 12.3957, 25.3737

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.9275, 22.5762, 36.6837



20.4561, 22.5762, 13.1770



19.9597, 22.5762, 40.6238

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.4561, 22.5762, 13.1770



16.9794, 22.5762, 27.6136



22.4921, 22.5762, 41.1806



26.6621, 22.5762, 21.7801

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.4561, 22.5762, 13.1770



17.3901, 22.5762, 18.5029



22.4921, 22.5762, 41.1806



26.1155, 22.5762, 31.8643

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.4567, 22.5772, 13.1775



40.5128, 43.3563, 39.7900



16.1860, 13.6521, 12.9373



9.0353, 9.6878, 8.7034



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.4567, 22.5772, 13.1775



35.6488, 39.6172, 19.7055



18.4923, 22.5947, 13.2844



5.3855, 5.7538, 5.3791



16.1115, 17.9573, 2.6169



0.1132, 0.1316, 0.0194

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.0125, 12.3957, 25.3737



20.2759, 18.5950, 44.9037



14.5183, 12.5166, 25.3177



4.8156, 4.9741, 6.3121



4.3686, 2.0074, 22.2029



0.0340, 0.0232, 0.1491

Previews

White Background



This preview shows how the XYZ color 20.4561, 22.5762, 13.1770 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.4561, 22.5762, 13.1770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4561, 22.5762, 13.1770

Background



This preview shows how black text looks on a background with the XYZ color 20.4561, 22.5762, 13.1770.



This preview shows how white text looks on a background with the XYZ color 20.4561, 22.5762,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.4561, 22.5762, 13.1770

Protanopia

20.9463, 22.6335, 12.9376

Deuteranopia

22.7830, 22.4085, 13.2497



Tritanopia

23.0601, 22.4501, 26.4104

Trichromacy



Original Color

20.4561, 22.5762, 13.1770

Protanomaly

20.7770, 22.5462, 12.9297

Deuteranomaly

21.8637, 22.5069, 13.3171

Tritanomaly

21.9246, 22.3699, 20.9316

Monochromacy



Original Color

20.4561, 22.5762, 13.1770

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.5929, 22.1086, 19.4017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4561, 22.5762, 13.1770 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(137, 132, 91)` looks like.

```
.text, #text, p{  
    color:rgb(137, 132, 91)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(137, 132, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 132, 91) }
```

Border

The CSS property to change the border of an element to XYZ 20.4561, 22.5762, 13.1770 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 132, 91) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(137, 132, 91) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(137, 132, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 132, 91); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 132, 91); box-shadow:4px 4px 4px 4px rgb(137, 132, 91) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4561, 22.5762, 13.1770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 132, 91) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(137,  
132, 91) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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